

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of audible pedestrian pushbuttons at the intersection of MD 459 (Columbia Park Rd) and Cheverly Ave/US 50 ON Ramp and the intersection of MD 459 (Columbia Park Rd) and US 50 OFF Ramp in Prince Georges County. At both intersections there is an existing mast arm Traffic Control Signal. MD 459 (Columbia Park Rd) is assumed to run in a north-south direction.

II. INTERSECTION OPERATION

- At both intersections, the existing intersection operation shall remain.
- The existing full-traffic-actuated, eight-phase controller housed in a NEMA size "6" base-mounted cabinet shall be utilized at the intersection of MD 459 (Columbia Park Rd) and Cheverly Ave/US 50 ON Ramp.
- The existing terminal cabinet shall be utilized at the intersection of MD 459 (Columbia Park Rd) and US 50 OFF Ramp.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
9571	Sheet aluminum signs to consist of: (mast arm or pole mount)	18 SF
	Pedestrian education R10-4(1) sign. (Note: Sign to read "PUSHBUTTON TO CROSS COLUMBIA PK RD".)	2 EA
	Pedestrian education R10-4(1) sign. (Note: Sign to read "PUSHBUTTON TO CROSS TUXEDO RD".)	2 EA
	Pedestrian education R10-4(1) sign. (Note: Sign to read "PUSHBUTTON TO US 50 RAMP")	4 EA
	Pedestrian education R10-4(1) sign. (Note: Sign to read "PUSHBUTTON TO CHEVERLY AVE")	2 EA
	R3-2 "NO LEFT TURN (symbolic)" sign. (30" x 30") mast arm mounted.	1 EA
	R10-11(b) "NO TURN ON RED" sign. (24" x 24") mast arm mounted.	1 EA

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of Traffic	1 EA
2001	Class II Excavation	4.5 CY
2002	Test Pit Excavation	10 CY
5008	F&I White Heat Applied Thermo. Pave. Marking Arrows (Left)	1 EA
6003	F&I 4" Concrete Sidewalk	400 SF
8009	F&I Breakaway Pedestal Pole (4')	9 EA
8013	Remove & Dispose of Equipment (Per Assignment)	1 EA
8016	F&I 2" Sched. 80 Rigid PVC Conduit - Trenched	180 LF
8021	F&I Concrete for Signal Foundation	7 CY
8023	F&I No. 6 AWG Stranded Bare Copper Ground Wire	1200 LF
8043	Install Overhead Sign	18 SF
8050	F&I Ground Rod - 3/4" Diameter x 10' Length	9 EA
8056	F&I Electrical Cable 2 - Conductor No. 14 AWG	1370 LF
Neg.	Navigator Pole Mount Units A.P.S. 5x7 black face plate option "A" with International Braille on face plate.	10 EA
	"(Left Arrow) US 50 OFF RAMP"	1 EA
	"(Right Arrow) US 50 OFF RAMP"	1 EA

EQUIPMENT LIST (CONT.)

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
	"(Left Arrow) COLUMBIA PK RD"	1 EA
	"(Right Arrow) COLUMBIA PK RD"	1 EA
	"(Left Arrow) CHEVERLY AVE"	1 EA
	"(Right Arrow) CHEVERLY AVE"	1 EA
	"(Left Arrow) TUXEDO RD"	1 EA
	"(Right Arrow) TUXEDO RD"	1 EA
	"(Left Arrow) US 50 ON RAMP"	1 EA
	"(Right Arrow) US 50 ON RAMP"	1 EA
Neg.	Pedestrian Head Control Unit constant power MD spec. with weatherproof boxes.	1 EA

THERE IS NO CHANGE TO THE EXISTING PHASE CHART

The contact persons for District #3 (Prince George's County)
are as follows:

Mr. Majid Shakib
Assistant District Engineer - Traffic
Phone: (301) 513-7358

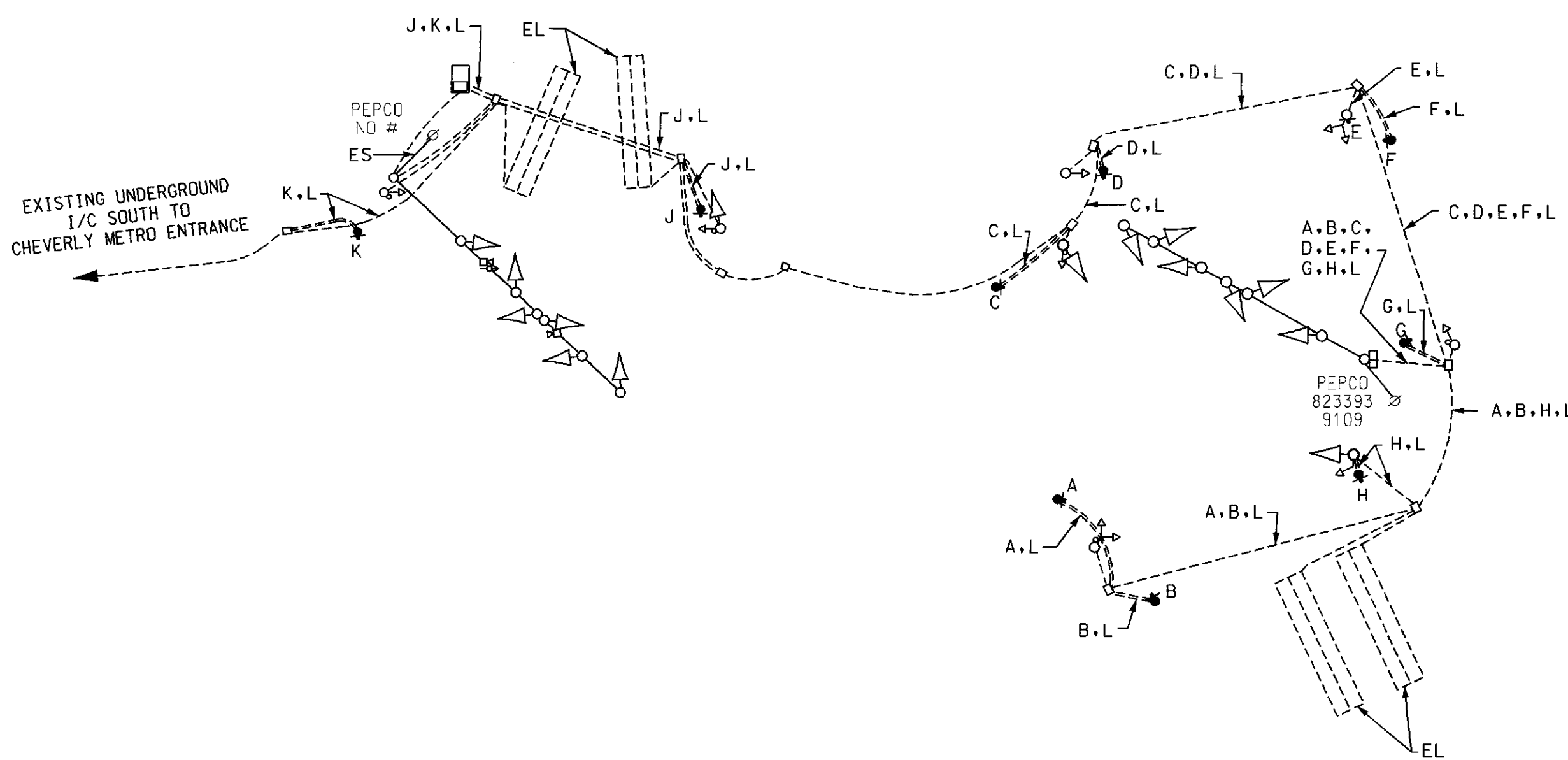
Mr. Wayne Mowdy
Assistant District Engineer - Maintenance
Phone: (301) 513-7304

Mr. Augie Rebish
Assistant District Engineer - Utility
Phone: (301) 513-7350

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

The power company representative is:

WIRING DIAGRAM



WIRING KEY

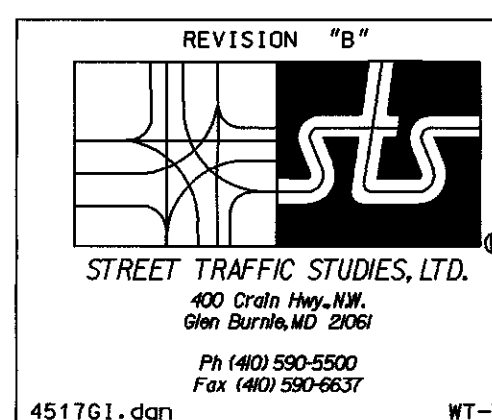
2-CONDUCTOR ELECTRICAL
CABLE (NO. 14 A.W.G.)

L - STRANDED BARE COPPER GROUND
WIRE (NO. 6 A.W.G.)

EL - LOOP WIRE (NO. 14 A.W.G.)
EXISTING

ES - EXISTING OVERHEAD SERVICE
TO BE MAINTAINED BY PERCO

+ - GROUND ROD



CHA #: PG484A50/PEC TOD #: AT288-50

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD 459 (COLUMBIA PARK RD) AND US 50 RAMPS

DRAWN BY: ROB CICCHINI
CHECKED BY: J. ALLEN JR.
SCALE: NONE
DATE: 2/16/04

F.A.P. NO.
S.H.A. NO. AT2885185
COUNTY: PRINCE GEORGES
LOG MILE: 16045900.00

TS NO.
2091 B
T.I.M.S. NO.
F235

SHEET NO.
3 OF 3